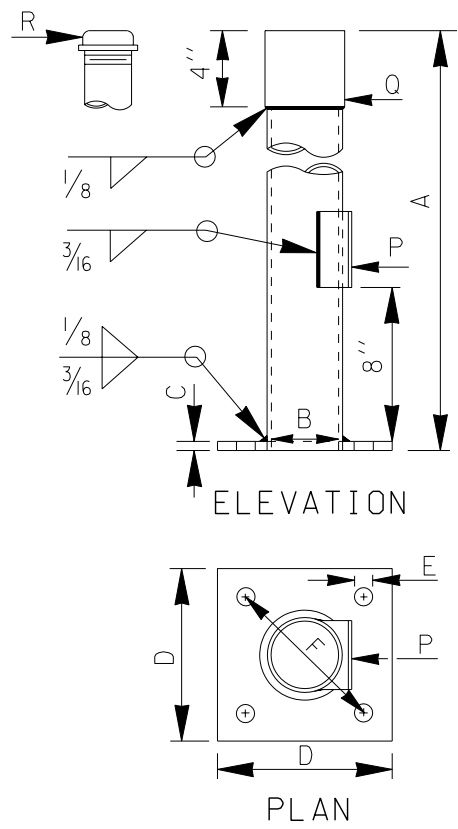
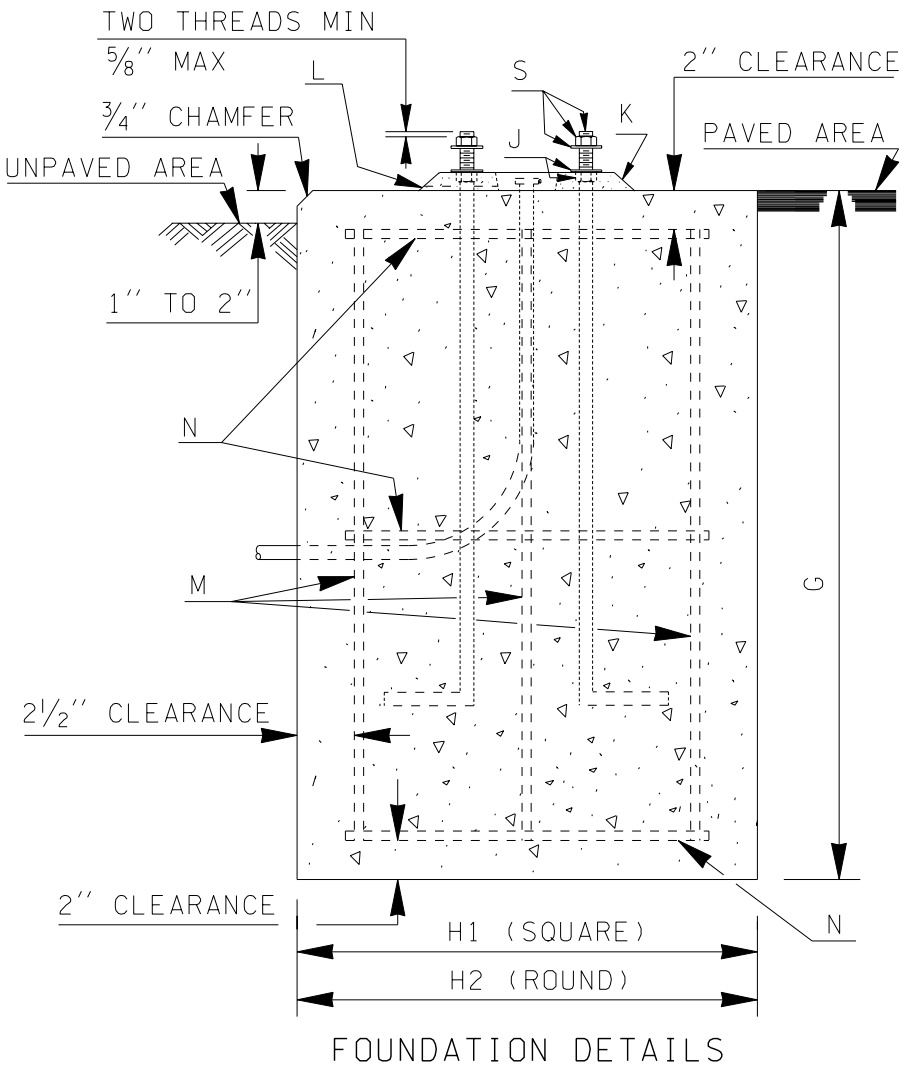
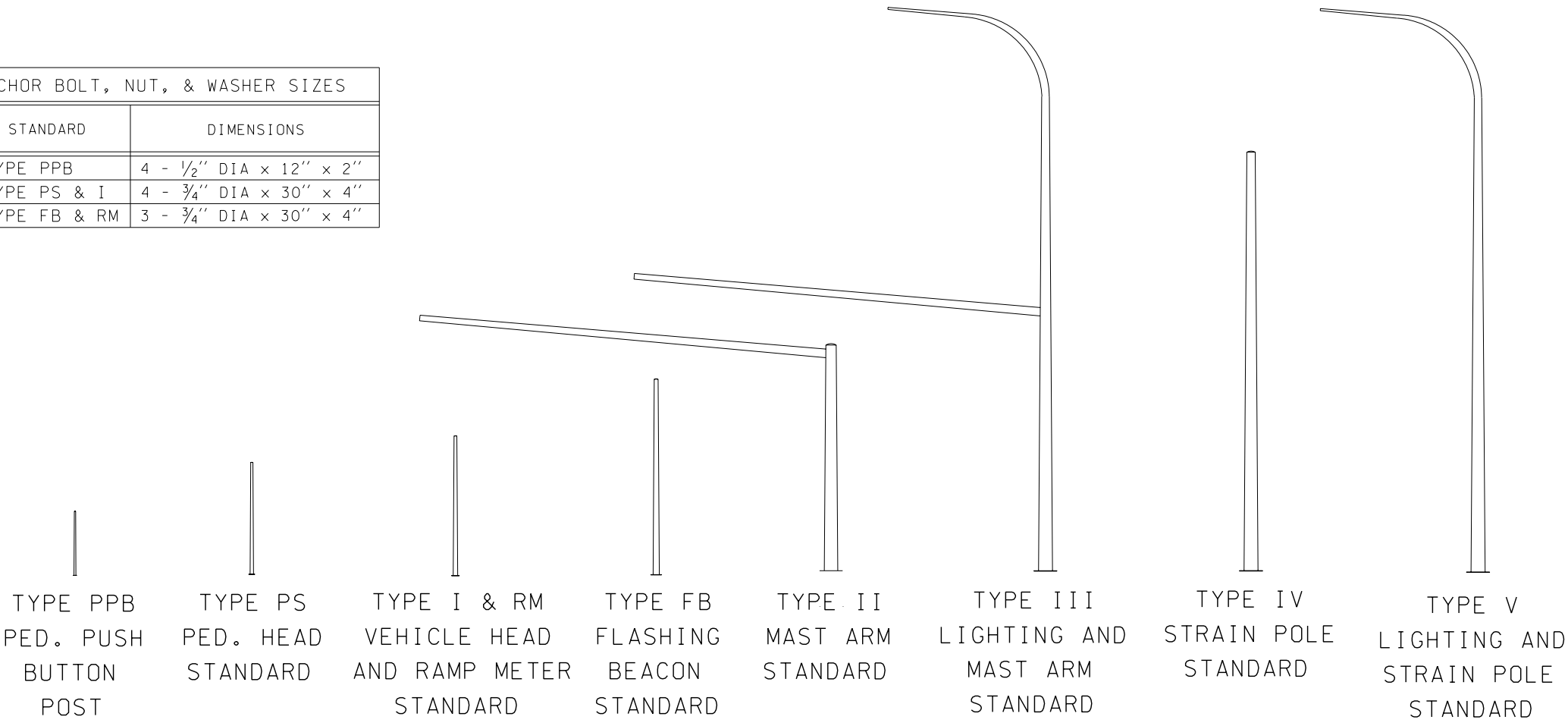


TYPE PPB, PS, & I STANDARD DETAILS



ANCHOR BOLT, NUT, & WASHER SIZES		
MARK	STANDARD	DIMENSIONS
S	TYPE PPB	4 - 1/2" DIA x 12" x 2"
S	TYPE PS & I	4 - 3/4" DIA x 30" x 4"
S	TYPE FB & RM	3 - 3/4" DIA x 30" x 4"

SIGNAL STANDARD TYPE DESIGNATIONS



TYPE PPB, PS, I, RM & FB STANDARD DIMENSION CHART						
MARK	ITEM	TYPE PPB	TYPE PS	TYPE I	TYPE RM	TYPE FB
A	HEIGHT	4'-6"	8'-0"	10'-0"	SEE SHEET 2	SEE SHEET 2
B	POLE BASE DIA	2 1/2"	*	*	*	*
C	PLATE THICKNESS	1/2"	1/2"	1/2"	SEE SHEET 2	SEE SHEET 2
D	PLATE WIDTH	5"	9"	9"	SEE SHEET 2	SEE SHEET 2
E	HOLE DIA	5/8"	1"	1"	SEE SHEET 2	SEE SHEET 2
F	BOLT CIRCLE	4 1/2"	8 1/2"	8 1/2"	SEE SHEET 2	SEE SHEET 2
G	FOUNDATION DEPTH	1'-6"	3'-0"	3'-0"	3'-0"	3'-0"
H1	FOUNDATION WIDTH	1'-6"	2'-0"	2'-0"	2'-0"	2'-0"
H2	FOUNDATION DIA	2'-0"	2'-3"	2'-3"	2'-3"	2'-3"
J	NUT & WASHER	Four 1/2"	3/4"	3/4"	3/4"	3/4"
K	GROUT PAD THICKNESS	NONE	**	**	SEE SHEET 2	SEE SHEET 2
L	PLASTIC DRAIN TUBE DIA	NONE	3/8"	3/8"	3/8"	3/8"
M	VERTICAL RE-BAR	NONE	Eight #4	Eight #4	Eight #4	Eight #4
N	HORIZ. RE-BAR HOOP	NONE	Three #4	Three #4	Three #4	Three #4
P	HANDHOLE SIZE	NONE	3 1/2" x 4"	3 1/2" x 4"	3 1/2" x 4"	3 1/2" x 4"
Q	SLIPFITTER DIA (I.D.)	NONE	4"	4"	4"	4"
R	CAP DIA	2 1/2"	NONE	NONE	NONE	NONE

\* TAPERED ROUND OR OCTAGONAL SHAFT, 11 GAGE, 4" OD AT SLIPFITTER WELD. TAPER = 0.14 INCHES/FT.  
\*\* LEVELING NUT HEIGHT 1" MAXIMUM.  
LEVELING NUTS NOT REQUIRED FOR TYPE PPB STANDARD



SIGNAL STANDARD TYPE DESIGNATIONS AND TYPE PPB, PS, I, RM, & FB DETAILS

STANDARD PLAN J-7a

SHEET 1 OF 2 SHEETS

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.			APPROVED FOR PUBLICATION	
Harold J. Peterfeso		09-12-01		DATE
STATE DESIGN ENGINEER		Washington State Department of Transportation		
7/01	WELDING SYMBOL SIZES	MHG		
DATE	REVISION	BY		



BASE PLATE

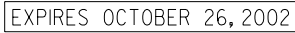
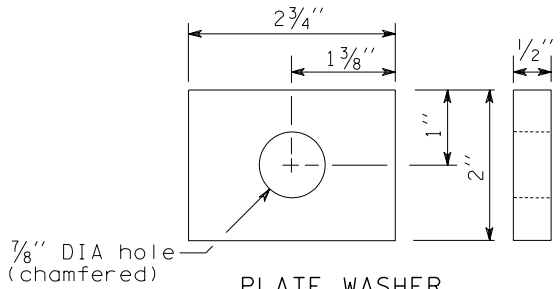
VIEW A-A



## FLASHING BEACON DETAIL

## RAMP METER DETAIL

FLASHING BEACON AND RAMP METER BASE ELEVATION  
See "FOUNDATION DETAIL" for other requirements.



## SIGNAL STANDARD TYPE DESIGNATIONS AND TYPE PPB, PS, I, RM, & FB DETAILS

## STANDARD PLAN J-7a

**SHEET 2 OF 2 SHEETS**

**APPROVED FOR PUBLICATION**

**Harold J. Peterfeso**

**09-12-01**

STATE DESIGN ENGINEER

DATE \_\_\_\_\_

**Washington State Department of Transportation**

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7/01	<b>CORRECTED - FLASHING BEACON DETAIL</b>	<b>MHG</b>
DATE	REVISION	BY